

South Carolina Department of Health and Environmental Control

Division of Procurement Services

Invitation for Bid

Solicitation No.: IFB-34007-6/3/08-EMW

Date Issued: 5/12/08

Procurement Officer: E. Madison Winslow

E. The Line 25 ift

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E-mail Address: winsloem@dhec.sc.gov

(See provision entitled Taxpayer Identification Number)

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TAXPAYER IDENTIFICATION NO.

BID: IFB-34007-6/3/08-EMW

Purpose and Scope of Work

The Underground Storage Tank Program of the South Carolina Department of Health and Environmental Control (DHEC) is seeking services to perform investigations of petroleum releases from regulated underground storage tank sites within the State of South Carolina in accordance with a predefined scope of work for all sites.

SPECIAL CONDITIONS

- 1. INITIAL CONTRACT PERIOD: The initial contract will be effective from date of award for one year.
- 2. OPTION TO RENEW OR EXTEND: The term of this contract shall be for the period of twelve months. This contract will automatically renew unless DHEC or the vendor elects otherwise. Two renewals will be allowed for a one-year period each up to a maximum of three total years. If either the vendor or the DHEC user elects not to renew the contract, Business Management must be notified in writing at least ninety days prior to the expiration date.
- 3. The successful bidder must be able to complete a minimum of ten (10) sites (not to exceed five (5) Tier I Assessments without contractor consent) per month during the contract year and must complete each site in accordance with the due date established in the Notice to Proceed that will be mailed to the awarded vendor. For the purposes of this contract, a site shall be considered complete upon receipt of the completed report and invoice by the Underground Storage Tank Program. The successful bidder may refuse assigned sites in excess of the required minimum; however, all accepted sites must be completed in accordance with the conditions of this bid. Such refusal must be received by the Underground Storage Tank Program within three (3) days of the date of the Notice to Proceed. Initial estimates of sites in each region are offered for purposes of setting the bid price. DHEC reserves the right to alter the number of sites (either over or under the original estimate). Additionally it is understood that sites in any Notice to Proceed may be in the same geographical area or may be isolated sites with unknown proximity to another site.
- 4. The Underground Storage Tank Program shall issue a Notice to Proceed for each group of sites assigned. The Notice to Proceed shall provide the UST Permit number, cost agreement number, and due date for each site.
- 5. Technical Reports: Deliver or mail the reports to: SC DHEC, Underground Storage Tank Program, 2600 Bull Street, Columbia, SC 29201. **One (1) hard copy report and one (1) electronic copy** per site must be delivered to the above address on or before the due date established in the Notice to Proceed or by subsequent letter from DHEC. A successfully completed report will contain all the elements identified in the bid specification for the Tier I Assessment, Initial Groundwater Assessment, and/or Monitoring Well Installation scopes.
- 6. Invoicing: Deliver or mail the invoices to: SC DHEC, Underground Storage Tank Program. 2600 Bull Street, Columbia, SC 29201, Attention: Financial Section. A separate invoice for each site must be delivered with the final reports and will be paid within approximately ninety (90) days of receipt of the successfully completed technical report and the invoice. By submitting the invoice for payment by the UST Program, the contractor is certifying that all subcontractors have been paid. If a subcontractor(s) has not been paid, the invoice must indicate any unpaid subcontractor(s). Payment based on the submitted invoice forms will be provided to the awarded contractor. Invoices shall not be included as an appendix or enclosure with the report or findings.
- 7. Amendments: All amendments to and interpretations of this solicitation shall be in writing from the DHEC Procurement Officer indicated on page one of this solicitation. DHEC shall not be legally bound by any amendment or interpretation that is not in writing.
- 8. Questions: Questions or requests for information must be submitted in writing and received by 2:30 pm ET on May 23, 2008. After this date, no further questions will be addressed. A written response will be mailed to all requestors of the bid package. The questions may be faxed to E. Madison Winslow, fax number (803) 898-3847, or sent to the e-mail address listed on the front page of the solicitation.
- 9. Minimum Requirements: All rehabilitation activities must be performed by a SCDHEC certified Class I site rehabilitation contractor as required by R.61-98. A class A, B, or C South Carolina certified well driller currently in good standing with South Carolina Board of Labor, Licensing & Regulation must supervise installation and abandonment of all monitoring wells. A surveyor licensed currently in good standing with South Carolina Board of Labor, Licensing & Regulation must supervise and sign all certified surveys. A laboratory certified by SCDHEC for the specified parameters must perform all laboratory analysis. Laboratory and collection methods will be as defined in *Analytical Methodology for Groundwater and Soil Assessment Guidelines*. Investigative derived waste must be disposed of within 90 days of generation in accordance with applicable state and federal regulations. A qualified professional from the company or firm must sign and seal the Tier I Assessment Report, and their South Carolina PE or PG certification number and SCDHEC certified Class I site rehabilitation contractor number must be on the

BID: IFB-34007-6/3/08-EMW

signature page of the report. The bidder must provide the name and certification number for the laboratory, well driller, and surveyor on the last page.

- 10. The bidder must provide a minimum of three (3) references in the spaces provided at the back of the bid package. References should include company name, contact person, telephone number, and a brief description of services provided. The State reserves the right to contact references. The references may be utilized in the evaluation and ranking of the bidders. Note: Do not list personnel from the UST Program as a reference.
- 11. The successful bidder(s) must agree to make positive efforts to employ small and minority owned businesses and individuals. SCDHEC Form 128 will be provided to the contractor for quarterly reporting of use.

Tax Credit Availability

Section 11-35-5230(B)(1) of the South Carolina Procurement Code provides that firms with state contracts that subcontract with minority firms shall be eligible for an income tax credit equal to four percent of the payments to minority subcontractors. Subcontractors must be certified as to the criteria of a minority firm as defined in Section 11-35-5010 of the South Carolina Procurement Code and regulations that may be promulgated thereunder. Firms interested in taking advantage of this opportunity when responding to a solicitation for the award of a state contract should contact the Office of Small and Minority Business Assistance, Edgar A. Brown, 1205 Pendleton Street, Columbia, SC 29201. This organization is in the position to identify certified minority businesses and the service specialization of each.

- 12. Bidders must indemnify the property owner, underground storage tank owner/operator and the State of South Carolina from and against all claims, damages, losses, and expenses arising out of or resulting from activity conducted by the contractor, its agents, employees, or subcontractors.
- 13. Notification for Failure to Perform: If the contractor fails to meet any specification as outlined in this document, DHEC will notify the contractor by certified letter of the deficiency(ies). If the contractor does not correct the deficiency(ies) within 30 days, the contractor will be in breach of contract and the bid award may be voided by DHEC. DHEC will notify the contractor by certified letter that the bid award is void and any invoices for properly completed work are payable upon review and approval by DHEC. If the contractor satisfactorily corrects the deficiency(ies) within 30 days, the bid award will continue.
- 14. A late fee of \$50.00/day may be levied for each day past the due date established in the Notice to Proceed or by subsequent letter from DHEC that the completed technical report and invoice are late. The total late penalty for any given site shall not exceed 20 percent of the total cost for that site.
- 15. If work cannot be completed as specified, DHEC must be notified within 24 hours. Justification for not completing the work at the site must be provided to DHEC in writing within 48 hours of notification for review. If additional work is needed, a change in bid order may be issued. Costs for expenses incurred to date at the specific site must be itemized and receipts provided for payment.
- 16. Within 15 days of award, the contractor(s) must submit a Health and Safety Plan, QA/QC Plan and Standard Operating Procedure (SOP) for review by DHEC. The contractor(s) may reference these documents when preparing the Initial Groundwater Assessment (IGWA) Report, Tier I Report, or Monitoring well Installation Report.
- 17. AWARD: Award will be to the lowest responsive and responsible bidder for each region, or to the lowest overall bidder, whichever is deemed most advantageous to the State. Award may be made to one or more bidders. Award may take longer than fourteen days.
- 18. NOTE.... THE ONLY OFFICIAL CONTACT PERSON AT DHEC DURING THE BIDDING AND AWARDING PROCESS IS THE PROCUREMENT OFFICER INDICATED ON PAGE ONE OF THIS SOLICITATION. BIDDERS ARE NOT TO CONTACT DHEC PERSONNEL LOCATED OUTSIDE THE BUREAU OF BUSINESS MANAGEMENT.

BID: IFB-34007-6/3/08-EMW

SPECIFICATIONS for the Tier I Assessment:

The Underground Storage Tank (UST) Program of the South Carolina Department of Health and Environmental Control (DHEC) is seeking services to perform investigations of petroleum releases from regulated underground storage tank sites. The objective is to gather the appropriate information to evaluate the risk that the release may pose in accordance with the *Risk-Based Corrective Action For Petroleum Releases* guidance document and R.61-98. The following scope of work is to be implemented at each designated site within each region. The successful contractor must:

- 1. Complete all sections of the Tier I Report of Findings found at www.scdhec.gov/environment/lwm/forms/tierone.pdf. All assessment activities must be performed by a SCDHEC-Certified Site Rehabilitation Contractor. The report must be sealed by a Professional Engineer or Geologist registered in the State of South Carolina.
- 2. Locate all wells (drinking and non-drinking water) and other potential receptors (i.e. surface waters, wetlands, basements) within a 1,000 ft radius of the site. Document the location in the Tier I Assessment Report of Findings and depict on the relevant portion of the appropriate United States Geological Survey 7.5-minute topographic map.
- 3. After completion of all field works (soil boring and monitoring well installation), a survey of the site shall be performed by a South Carolina Registered Surveyor. The survey will cover an area measuring 500 ft by 500 ft and shall include, at a minimum, all of the following:
 - 1. the location of all manmade structures
 - 2. all above ground and underground utilities
 - 3. all potential receptors
 - 4. all existing and/or former USTs and associated piping and dispensers
 - 5. all monitoring wells associated with the release (elevation shall be measured to the top of casing of each monitoring well).
- 4. Note and record the current use of the site and adjacent land (agricultural, residential, commercial, industrial, etc.). Provide a copy of the appropriate sections of all applicable state, county, city or other zoning ordinances, statutes, and/or regulations concerning the installation of drinking and/or irrigation wells or land use. This information should be provided as Appendix F to the Tier I Report of Findings. In addition, the names and phone numbers of any persons that have provided information pertaining to land use or zoning ordinances, statutes, and/or regulations shall be provided. Identify any UST site(s) within 500-foot radius of the subject site and provide their UST permit number(s) in the report.
- 5. The contractor must obtain a copy of the applicable portion of a tax map. This map shall depict the location of the facility, all impacted properties, and all properties located adjacent to the impacted areas. The tax map number and the names and addresses of the owners of each of the properties shall be provided.
- 6. Locate all underground utilities (electrical, water, storm sewer, sanitary sewer, natural gas, telephone, cable TV, etc.) within a 500-ft. radius of the site to the nearest one-foot horizontally and obtain the depth to the nearest two feet vertically. Depict all identified underground utilities, both on and adjacent to the property, on a scaled site map.
- 7. Immediately screen, using OVA or other similar properly calibrated field instrumentation, any receptor having potential impact (e.g., underground utility vault adjacent to the property line) within 500 feet. Provide the name, address and a contact telephone number for the owner of any receptors that are sampled to the DHEC contact person within 48 hours of sampling. This information should also be included in the report of findings.
- 8. If field-screening analysis from a receptor indicates the presence of Chemicals of Concern (CoC), immediately notify the DHEC site project manager at (803) 896-6241 or the Manager of the Assessment Section at (803) 896-6394 and request approval for the collection of additional water samples as appropriate. The cost for analysis of samples collected without prior financial and technical approval may not be paid.
- 9. Any water supply well within 500 feet and any municipal water supply well within 1,000 feet must be sampled immediately for laboratory analysis according to Analytical Methodology for Groundwater and Soil Analyses (found at http://www.scdhec.gov/environment/lwm/forms/analmet/pdf). Provide the name, address and a contact telephone number for the owner of any receptors that are sampled to the DHEC contact person within 48 hours of sampling. This information should also be included in the report of findings.

BID: IFB-34007-6/3/08-EMW

- 10. Install, document, and analyze samples from a total of eight soil borings.
 - A. Install two soil borings to a depth of 25 feet or to the ground-water table, whichever is shallower, in the area formerly occupied by the USTs or adjacent to the currently operating USTs. Soil samples shall be collected by split-spoon or other approved discrete sampling method at five-foot intervals to the boring terminus. Do not collect soil samples below the water table.
 - B. Install five soil borings to a depth of 10 feet or to the groundwater table, whichever is shallower, in the area formerly occupied by the lines and the product dispensers or adjacent to the current product lines and dispensers. Soil samples shall be collected by split-spoon or other approved discrete sampling method at two-foot intervals to the boring terminus. Do not collect soil samples below the water table.
 - C. Describe the lithology for each soil sample collected during boring installation and screen for organic vapors using properly calibrated instruments. For waste oil releases, note any staining of soils. For other less volatile chemicals such as diesel or kerosene, alternative-screening methods such as Field Gas Chromatography or immunoassay may be used. The method of field screening to be utilized shall be included in the Standard Operating Procedures.
 - D. Record the soil type, color using standard methods, rocks or minerals present, organic vapor measurements, split-spoon sample intervals, and field screening results on a separate log for each boring. Also, the qualitative indication of soil conditions (dry, moist, wet, saturated, any odor if present, etc.) should be noted on the logs. The boring logs shall note the depth of each sample submitted for laboratory analysis. Enclose the boring logs as Appendix A to the report.
 - E. The soil sample with the highest organic vapor reading from each soil boring shall be submitted to a laboratory certified in South Carolina for the appropriate analysis. If the concentrations for all samples in a boring are within 10 percent of each other, the sample from the greatest depth in the vadose zone should be submitted for analyses. At each sampling location or interval, a high-level (>200 μg/kg) or low-level (<200 μg/kg) sample based on soil screening results, shall be collected in accordance with EPA Method 5030B and 5035 protocol, respectively. The number and type of sampling containers, weighing of samples in the field, use of preservatives, and holding times must be in accordance with SW846, Test Methods for Evaluating Solid Wastes. All industry standard QA/QC methods will be followed for shipping (sample label, sealed sample container, chain of custody prepared, stored on ice, etc.). The sampling logs should note the location and type of each sample submitted for analysis.

The seven soil samples (one from each soil boring) submitted to the laboratory shall be analyzed for benzene, toluene, ethylbenzene, xylenes, naphthalene, polynuclear aromatic hydrocarbons (PAHs), and total lead. Approved methods of analysis are provided in the *Analytical Methodology for Groundwater and Soil Assessment Guidelines* (found at http://www.scdhec.gov/environment/lwm/forms/analmet.pdf). Field sampling logs, chain of custody forms, certificates of analysis, and the lab certification number will be added to the report as Appendix C. The sampling methodology and analytical protocol used by the contractor should comply with industry accepted QA/QC standards for site assessment activities.

- F. In addition to the analyses required in Specification 9E, one soil sample (collected from the boring with the highest organic vapor concentration) shall be collected from the boring terminus and submitted to a laboratory for a grain size/hydrometer analysis to determine the sand/silt and silt/clay fractions at 0.074 millimeters (#200 screen) and 0.004 millimeters, respectively. The report shall give the percentages of sand, silt, and clay. The sampling logs shall note the location and type of each sample submitted for analysis. The laboratory results should be included with other analytical results in the report.
- G. In addition to the analyses listed in Specifications 9E and F, one soil sample (collected from the boring and stratigraphic interval containing the highest organic vapor concentration) shall be submitted to a laboratory for Total Petroleum Hydrocarbons (TPH) using EPA method 3550B/8015B. All laboratory analysis must be performed by a laboratory that is currently certified by DHEC for the relevant methods. The sampling logs should note the location and type of each sample submitted for analysis. The chain of custody forms, certificates of analysis, and the laboratory certification number should be included with other analytical results.
- H. Install one background soil boring to a depth of 10 feet or to the ground-water table, whichever is less, at least 30 feet away from any dispensers, lines, and USTs. If the site is too small to allow 30 feet separation from all lines, dispensers and USTs, install the soil boring as far away from all lines, dispensers, and USTs as possible. Collect the soil sample from below the "A" horizon unless precluded by a shallow water table. Do not collect a sample from below the water

BID: IFB-34007-6/3/08-EMW

table. Record the location on the sampling logs, properly prepare the sample for shipping to an approved laboratory, and have this sample analyzed for total organic carbon using EPA method 415.1 or EPA equivalent method. The chain of custody and laboratory forms shall be included with other analytical results in Appendix C. The total organic carbon value should be recorded in the Tier I Report of Findings. The details of the boring will be included in Appendix A with the other soil borings.

- 11. Abandon the six soil borings with the lowest organic vapor concentrations. Abandonment of temporary soil borings shall be by forced injection or tremie grouting of neat cement from the termination depth of the boring/point to within three inches of the surface under the supervision of a South Carolina certified well driller. The upper three inches of each boring that is not completed, as a monitoring well shall be filled with a material comparable to the surrounding material. For example, a native soil/grass plug may be used in the upper three inches of a boring advanced in a grassy area of for any reason the property owner requests a variance (i.e., do not grout the hole) the project manager will be contacted within 2 business days of the request and the request will be documented in the report of findings. The boring with the highest organic vapor concentration and the background boring will not be abandoned.
- 12. Convert the soil boring with the highest organic vapor concentration to a monitoring well of two-inch PVC casing with a ten-foot (minimum) screen bracketing the water table. The well will have proper filter packing, grouting, locking well cap, and well cover held in place with bolts or screws. The well must be installed by a permanent South Carolina Certified Well Driller and constructed in compliance with the South Carolina Well Standards and Regulations. Monitoring well construction logs will be prepared to include all information as outlined in the S.C. Well Standards and Regulations R.61-71.H.1.f and be attached to the report as Appendix B.
- 13. Convert the background soil boring to a monitoring well of two-inch PVC casing with a ten-foot (minimum) screen bracketing the water table. The well will have proper filter packing, grouting, locking well cap, and well vault with a cover held in place with bolts or screws. The well must be installed by a permanent South Carolina Certified Well Driller and constructed in compliance with the South Carolina Well Standards and Regulations. Monitoring well construction logs will be prepared to include all information as outlined in the S.C. Well Standards and Regulations R.61-71.H.1.f and be attached to the report as Appendix B.
- 14. Construct one additional monitoring well that brackets the water table and is positioned so that the direction of ground-water flow and concentrations of the Chemicals of Concern (CoC) in the source area can be determined. This well shall not be constructed in a previous boring. If possible, this well should be installed in a location believed to be hydraulically downgradient based on topographic relief. Collect soil samples by split-spoon or other approved discrete sampling method at five-foot intervals and screen the samples with a properly calibrated instrument for organic vapors. The sampling logs should note the location and type of each sample submitted for analysis. Record the soil boring data in Appendix A with the other soil boring data. The monitoring well construction logs will be included in Appendix B. Analyze one soil sample with the highest organic vapor readings from each monitoring well for appropriate analyses as listed in the Analytical Methodology For Groundwater And Soil Assessment Guidelines. If the organic vapor readings for all samples in a boring are within 10 percent of each other, the sample from the greatest depth in the vadose zone should be analyzed. The chain of custody and laboratory forms should be included with other analytical results in Appendix C.

The Tier I Assessment standard scope includes completion of up to 75 feet of permanent monitoring well footage. Additional monitoring well footage must be pre-approved by the Program. All monitoring wells completed in traffic areas should be flush-mounted. All other wells should be completed with a one-foot minimum stick-up casing. On separate drilling logs for each well, record the soil type, color using standard methods, rocks or minerals present, organic vapor measurements, split-spoon sample intervals, and field screening results. Also, the qualitative indication of soil conditions (dry, moist, wet, saturated, and odor, if present) should be noted on the logs. The boring logs shall note the depth of each sample submitted for laboratory analysis. Additionally, a DHEC Form 1903 (Water Well Record) shall be completed for each well and included in Appendix B. If rock drilling is necessary, the successful bidder will be compensated at the rock drilling rate for footage that exceeds the 75 feet of permanent monitoring well footage.

- 15. After well installation, all wells will be properly developed. The development method, chosen by the contractor, shall be capable of removing enough solids, drilling muds, and water to provide relatively sediment-free water samples. The well log or report will report the method used for well development.
- 16. The static water level in each well will be measured after allowing equilibration in each of the three wells after developement. If free product is present, the thickness of the free product should be measured. The distance to the nearest 0.01 foot or 1/8 inch from the Top of the Well Casing (TOC) to the groundwater table and/or free product will be measured and recorded.

BID: IFB-34007-6/3/08-EMW

- 17. Purge wells in preparation for sampling. The purge waters shall be measured for pH, specific conductance, and temperature. All measurements shall be submitted to the DHEC following sampling. All purge waters must be containerized. Purging is considered complete once the ground-water temperature and pH measurements have equilibrated. Please include field data that documents temperature and pH measurements during purging for each well (in tabular form). Purging will not be performed in a well if the thickness of free product exceeds 0.01 foot. All purge waters must be containerized.
- Prior to collecting a groundwater sample from each well, the dissolved oxygen content for each well shall be measured 18. and reported. Collect one ground-water sample per well. The sampling logs should note the location and type of each sample submitted for analysis. Each groundwater sample will be prepared for shipping (sample label, sealed sample container, no air in the sample, chain of custody prepared, stored on ice, etc.) and shipped to a certified laboratory. Analyze one ground-water sample from each well for benzene, toluene, ethylbenzene, xylenes, naphthalene, methyl tertiary butyl ether (MTBE), polynuclear aromatic hydrocarbons (PAHs), total lead, ethanol, 8 oxygenates, 1,2 DCA, EDB (ethylene dibromide), sulfate, nitrate, and ferrous iron. Please note that a filtered lead sample is required along with an unfiltered lead sample. For both groundwater and soil samples that involve a waste oil UST, additional sampling for eight metals (arsenic, barium, cadmium, chromium, lead, mercury, selenium, and silver) shall be preformed. Approved methods of analysis are provided in the Analytical Methodology for Groundwater and Soil Assessment Guidelines. All laboratory analysis must be performed by a laboratory that is currently certified by DHEC for the relevant methods. Laboratory data for each sample (field sampling logs, chain of custody forms, certificates of analysis, and the lab certification number) will be added to the report as Appendix C. If free phase product greater than 0.01 foot is encountered in any well, a ground-water quality sample and dissolved oxygen measurement should not be collected from that well.
- 19. Store all soil and groundwater generated during boring construction and monitoring well development/purging in 55-gallon drums or equivalent containers. Upon receipt of laboratory analysis results or within 90 days whichever is sooner, properly dispose of the wastewater and soil as appropriate. Copies of certificates of disposal signed by the receiving facility will be included in Appendix E. If soil and groundwater will be consolidated from several facilities or a roll off container will be used, prior approval must be obtained from the Contract Coordinator in the Underground Storage Tank Program.
- 20. Conduct an aquifer slug test in two monitoring wells located outside the UST basin. Record the change in the ground-water table vs. time data for each well. Evaluate the results of the slug test in accordance with commonly accepted methods (e.g., Bower and Rice, Hvorslev) and calculate seepage velocity. Enter data on the slug test form found at http://www.scdhec.gov/environment/lwm/forms/slugtest.pdf.
- 21. Based on the data gathered from the Tier I Assessment fieldwork, a Tier 1 Risk Evaluation shall be performed. The Tier 1 Risk Evaluation shall evaluate the actual and/or potential impact to receptors following the steps outlined below. The final report (one (1) hard copy report and one (1) electronic copy) should be sent to the Contract Coordinator.
 - A. Comparison with Risk Based Screening Levels (RBSL) -For a Tier 1 Risk Evaluation, it is assumed that all exposure points are located in the source area. CoC concentrations shall be compared with the values provided in the RBSL Look-Up Tables of Appendix B in the Risk-Based Corrective Action for Petroleum Releases Guidance Document, as appropriate.

The following measurements of representative concentrations of CoC are to be utilized in this comparison:

- 1. **Air:** The maximum CoC vapor concentration obtained during the last sampling event shall be used. Historical sampling events can be used to establish trends.
- 2. **Groundwater:** The maximum CoC concentration obtained during the last sampling event shall be used. Historical sampling events can be used to establish trends.
- 3. Soil: The maximum CoC concentration obtained during the last sampling event shall be used for the ingestion and dermal contact pathways. For the soil leaching to groundwater pathway, the average of the two soil sample results with the highest concentrations from each source area shall be used.
- B. Site Conceptual Exposure Model The site conceptual model shall identify all complete exposure pathways. Information required to develop this model includes:
 - 1. Release information Pertinent release information may include, but is not limited to, the historical use of the property where the release occurred, the approximate age of the release, and the properties of the CoC (e.g., solubility, volatility) that were released.

BID: IFB-34007-6/3/08-EMW

- 2. Characteristics of the site Pertinent site characteristics may include, but are not limited to, the soil type, depth to groundwater, hydraulic gradient, ground-water flow direction, seepage velocity, and the physical distribution of CoC around the source.
- 3. Proximity of potential receptors and their construction The construction specifications (e.g., depth, diameter, and material of construction of a storm sewer) of all potential receptors shall be identified.
- 4. Current land use of all affected properties For each property that is impacted, may potentially become impacted, or is adjacent to a potentially impacted property, the current land use shall be identified (e.g., vacant lot, restaurant, school, residence, factory).
- 5. Applicable zoning or land use ordinances shall be obtained from the local city or county administrative authorities. Zoning ordinances set broad-scale restrictions on property development such as residential, commercial, or industrial. Land use ordinances may establish smaller scale restrictions such as disallowing the installation of drinking water or irrigation wells. A photocopy of the applicable sections or summary of the ordinances shall be provided. If a copy cannot be obtained, name, phone number, and business address of the appropriate authorities shall be provided with the relevant information.

Based on the estimated age of the release, known distribution of the CoC, and the potential for migration, all complete and potential exposure pathways shall be identified and summarized for land use (current and future conditions). The following potential exposure pathways shall be considered for evaluation:

1) Air	- Inhalation of ambient vapors (particulate or volatile) - Explosive hazard
2) Surface Water	IngestionDermal contactVolatile inhalation (enclosed space and outdoor)
3) Groundwater	 Ingestion Dermal contact Volatile inhalation (enclosed space and outdoor)
4) Surficial Soil	IngestionDermal contactVolatile inhalation (particulate or volatile)
5) Subsurface Soil	 Ingestion (during excavation) Dermal contact (during excavation) Volatile inhalation (particulate or volatile) Leaching to groundwater

- C. Identify Data Requirements Identify the data necessary to characterize the migration potential, and to quantify the potential impact, for each complete, or potentially complete, exposure pathway identified in the site conceptual model above. Enter all identified data requirements in the table in the Tier I report of findings.
- D. Recommendations for Further Action Utilizing the information above, a decision as to the next appropriate actions shall be made. Three recommendations are possible:
 - 1. No Further Action If the concentrations of the CoC are below the RBSL for each constituent, further assessment and/or cleanup is not necessary. For the RBSL comparisons to be valid, it must be reasonably demonstrated that the sample locations are representative of the source area.
 - 2. Abatement If concentrations of CoC are above the respective RBSLs and pose an immediate or imminent hazard, partial source removal or other actions shall be necessary to reduce the risk. Active Corrective Action shall be required to remove free-product pursuant to R.61-92, Section 280.

BID: IFB-34007-6/3/08-EMW

Tier II Investigation - If concentrations of CoC are above the RBSL, Tier II investigation would be warranted.

22. Prepare the following maps:

- 1. Prepare a copy of the relevant portion of the appropriate United States Geological Survey 7.5-minute topographic map. Indicate the location of the site and location of any receptors (e.g., marsh, ground-water well, city water well, etc.). The figure will be captioned with the facility name and address, facility number, date, and bar scale. The map should include a north arrow. Label the map as Figure 1 and attach to the report.
- 2. Using the Comprehensive Survey Map (Specification 2), prepare a base map to scale (scale to be a multiple of 10) with north oriented to the top of the page, and plot all pertinent site information. All items should be plotted to an accuracy of 1 foot. The base map should, at a minimum, include:
 - (1). Location of property lines.
 - (2). Streets and highways (indicate names).
 - (3). Location of buildings.
 - (4). Paved areas on or adjacent to site.
 - Location of all present and former above ground and underground storage tanks and associated lines, pumps, and dispensers.
 - (6). Underground utilities on or adjacent to site (sewer, water, telephone, gas, electric, etc.).
 - (7). Location of any other potential receptors.
 - (8). Eight soil boring locations.
 - (9). Monitoring well locations.

The base map will be captioned with the facility name and address, UST Permit number, date, and bar scale. The map should be oriented with North toward the top of the map and include a north arrow. Make copies of this map for use as specified below. Label the base map as Figure 2 and add to the report.

3. Prepare a Soil CoC site map from the copy of the base map made earlier. Add all soil boring locations, and accompanying soil data. The soil analytical data should be plotted adjacent to each soil boring (SB) using the following format:

SB - Number

Sample Depth (feet)

B (mg/kg)

T (mg/kg)

E (mg/kg)

X (mg/kg)

PAHs (mg/kg)

Label the Soil CoC site map as Figure 3 and add to the report.

4. Prepare a Groundwater CoC site map from the copy of the base map made earlier. Add all monitoring well locations, potentiometric surface (elevation) data, and accompanying ground-water data. The ground-water data should be plotted adjacent to the monitoring wells (MW) using the following format:

MW - Number

Benzene (ug/1)

Toluene (ug/l)

Ethylbenzene (ug/l)

Xylenes (ug/l)

MtBE (ug/l)

Naphthalene (ug/l)

EDB (ug/l)

1,2 DCA

8 oxygenates

Ethanol (ug/l)

PAHs (ug/l)

Label the Groundwater CoC site map as Figure 4 and add to the report.

NOTE: These specifications detail the specific tasks required to successfully define the scope of work for the Tier I Assessment. These specifications do not include general implied tasks as required by Federal, State or local governments (OSHA 40-hour training, Health and Safety Plans, business licenses, etc.).

BID: IFB-34007-6/3/08-EMW

INCLUSIONS TO THE REPORTS: The items below are to be included with the report in the order listed.

Figure #1 - Topographic Map

Figure # 2 - Surveyed Map

Figure #3 - Scaled Base Map

Figure # 4 - Soil CoC Site Map

Figure # 5 - Groundwater CoC Site Map

Appendix A - Soil Boring Logs

Appendix B - Monitoring Well Construction Logs

Appendix C - Chain of Custody and Laboratory Forms

Appendix D - Slug Test Summary Form

Appendix E - Soil and water disposal manifests.

Appendix F - Copy of local zoning regulations

Appendix G - Copy of tax map and list of names and addresses of adjacent property owners.

Appendix H – Plat by SC Certified Surveyor

BID: IFB-34007-6/3/08-EMW

SPECIFICATIONS for the Initial Groundwater Assessment (IGWA):

- 1. Complete the Initial Groundwater Assessment Form (found at http://www.scdhec.gov/environment/lwm/forms/igwa.pdf)
- 2. Locate and document all wells (drinking and non-drinking water) and other potential receptors (i.e., utilities, surface waters, wetlands, basements) within 1000 feet of the site. If a water well is within 250 feet of the UST system, or, a municipal supply well is within 1,000 feet a water sample shall be obtained from each well and analyzed for the appropriate parameters. The Underground Storage Tank Program (803) 896-6240 shall be notified within 48 hours if any groundwater wells are sampled.
- Note and record the current use of the site and adjacent land (residential, commercial, agricultural, industrial, etc.). Identify any UST site(s) within 500-foot radius of the subject site and provide their UST permit number(s) in the report.
- 4. One permanent monitoring well constructed of two-inch diameter (minimum) PVC casing with a ten-foot PVC screen bracketing the water table shall be installed in the area showing the highest concentration of Chemicals of Concern (CoC) above established Risk-Based Screening Levels from the previous soil and/or groundwater data as provided by DHEC. The well must be installed under the direct supervision of a South Carolina certified permanent well driller and constructed in compliance with the South Carolina Well Standards and Regulations, R.61-71.H. The wells will require proper filter pack, grout, locking well cap, well pad constructed at or above ground level, and well cover held in place with bolts or screws. Any monitoring well(s) completed in traffic areas should be flush-mounted. All other wells should be completed with a one-foot minimum stick-up casing. The well must be properly developed. The development method shall be capable of removing enough formation cuttings, drilling fluids and additives to provide relatively sediment-free water samples that are typical of the aquifer. All development water must be containerized and disposed of as appropriate.
- 5. Soil samples shall be collected at five-foot intervals by split-spoon or other approved discrete sampling method.
- 6. Describe the lithology of each soil sample collected during well installation and screen for organic vapor concentrations using properly calibrated instruments or test kits (e.g., immunoassay). For waste oil UST assessments, note any staining observed.
- 7. Include the soil types and organic vapor measurements on the monitoring well construction log.
- 8. If groundwater is encountered within 25 feet of the surface, a monitoring well shall be installed. Additional well footage, up to a depth of 50 feet, may be warranted in order to bracket the water table. The costs include a 25 foot monitoring well or 50 foot soil boring. If rock drilling is required, approved footage that exceeds 25 feet may be reimbursed at the rock drilling rate. If a monitoring well is installed, a soil sample shall also be collected and analyzed for the appropriate parameters. The soil sample with the highest field screening value (above the water table) shall be collected for laboratory analysis. If the field screening for all soil samples within the boring are within ten percent of each other, the sample from the greatest depth above the water table shall be submitted for analysis. If groundwater is not encountered within 50 feet of the surface, the soil sample with the highest field screening value shall be collected for laboratory analysis. If the field screening for all samples within the boring are within ten percent of each other, the sample from the greatest depth above the water table shall be submitted for analysis. Analyze soil samples for benzene, toluene, ethylbenzene, xylenes, naphthalene, polynuclear aromatic hydrocarbons (PAHs), and total lead. Approved methods of analysis are provided in the *Analytical Methodology for Groundwater and Soil Assessment Guidelines*. The boring shall be properly abandoned per the *South Carolina Well Standards and Regulations*, R. 61-71.I.3.d. Please note: appropriate field preparation industry standards (i.e., EPA Method 5035) shall be adhered to.
- 9. Measure and record the depth to groundwater prior to purging and subsequent water quality sampling from the well. The well shall be purged prior to sampling and the pH, temperature, and specific conductance recorded. Purging is considered complete once the groundwater temperature and pH have equilibrated.
- 10. Analyze groundwater samples for benzene, toluene, ethylbenzene, xylenes, naphthalenes, methyl tertiary butyl ether (MTBE), polynuclear aromatic hydrocarbons (PAHs), total lead, ethanol, 8 Oxygenates, 1,2 DCA, and EDB (ethylene dibromide). Please note that a filtered lead sample is required along with an unfiltered lead sample. A laboratory that is certified by DHEC for the relevant analysis must preform all laboratory analyses. For both groundwater and soil samples that involve a waste oil UST additional sampling for eight metals (arsenic, barium, cadmium, chromium, lead, mercury, selenium, and silver) shall be preformed. Approved methods of analysis are provided in the Analytical Methodology for Groundwater and Soil Assessment Guidelines.

BID: IFB-34007-6/3/08-EMW

- 11. Report the thickness of any free phase product as follows: Record the distance from the top of casing to the top of the free product; record the distance from the top of casing to the water table; record the difference as the thickness of free product. The collection of a groundwater sample is not necessary if the thickness of free phase product exceeds 0.01 feet (1/8 in.).
- 12. Store all soil, development and purge water generated during implementation in 55-gallon drums or equivalent sealed container. Upon receipt of laboratory analytical results or 90 days whichever is sooner, properly dispose of the soil and wastewater in the appropriate manner. If the derived soil and wastewater is generated from a waste oil investigation, prior approval must be obtained from the Bureau of Land and Waste Management before offsite removal commences. An additional eight RCRA metals analysis, to characterize the waste, may be allowed if the permitted disposal facility requires such.
- 13. The final report (one [1] hard copy reports and one [1] electronic copy) should be sent to the Contract Coordinator. The appendices required for the report are as follows:
 - Appendix A. Well Construction Log

The monitoring well construction log must include all information as outlined in the South Carolina Well Standards and Regulations R.61-71.H.1.f. Attach a copy of DHEC Form 1903 (Water Well Record).

Appendix B. Laboratory Data

Include the field sampling logs, chain of custody forms, and certificates of analysis.

Appendix C. Topographic Map with site location marked.

This must be a United States Geologic Survey 7.5 minute quadrangle with site and potential receptors within 1,000 feet radius of the UST location marked.

Appendix D. Site Base Map

Prepare a site base map. This map must be accurately scaled, but does not need to be surveyed. The map must include the following:

- North Arrow
- Legend with the facility name and address, DHEC ID Number, date, and a bar scale
- Location of property lines
- Streets and/or Highways (indicate names and numbers)
- Location of Buildings (note current use of building)
- Paved areas on or adjacent to the site
- Location of all present and former above ground and underground storage tanks and associated lines, pumps, and dispensers.
- Underground and above ground utilities on or adjacent to site (sewer, water, telephone, gas, electric, etc.).
- Location of any potential receptors (e.g. water wells, basements, surface water bodies, etc.).
- Previous soil sample locations
- Monitoring well location
- Appendix E. Soil and/or Water Disposal Manifests

Appendix F. Additional Data

If sampling receptors within a 250-foot radius of the site, include purging data, chain of custody and laboratory analysis forms. Laboratory data should be summarized in tabular form.

BID: IFB-34007-6/3/08-EMW

SPECIFICATIONS for Monitoring Well Installation:

The Bureau of Land and Waste Management Underground Storage Tank Program is seeking services to install permanent monitoring well(s) and associated tasks at Underground Storage Tank facilities throughout South Carolina. SCDHEC will provide a site map depicting the approximate location of the needed well(s). The following scope of work is to be implemented at each designated site within each region. The successful contractor must:

- 1. The contractor shall mobilize within 30 calendar days of notice to proceed.
- Prior to field screening (if requested) and well installation, conduct site reconnaissance (including but not limited to monitoring well identification, reporting their condition, gauging them, reporting UST Permit numbers for all UST sites within a 500-ft radius of the subject site, etc.).
- 3. If the location(s) for permanent monitoring wells cannot be determined without field screening, the contractor will utilize a field sampling technique (vapor or water sample collection) and analyze each sample in the field with an appropriate screening methodology. The method for sample collection and the field screening technique (FST) shall be included in the required Standard Operating Procedure document. The field screening shall serve as a tool to determine adequate locations for monitoring wells addressing horizontal and/or vertical extent of the petroleum constituents in soil and groundwater during one direct push/drill rig mobilization. The contractor shall use an appropriate technique for each site. The results of the field screening will be to optimally locate and reduce the number of permanent monitoring wells. Contractors are allowed per project manager's request to collect groundwater samples from existing shallow wells, deep wells, and down gradient screening points for laboratory analysis to ensure the entire plume is delineated. Field screening locations, field sampling results, any laboratory analyses, and proposed permanent monitoring well locations are to be faxed to the DHEC project manager for approval prior to the installation of permanent wells. Abandonment of temporary soil borings, field screening points, and core holes shall be by forced injection or tremie grouting of neat cement from the termination depth of the boring/point to within three inches of the surface under the supervision of a South Carolina certified well driller. The upper three inches of each boring that is not completed, as a monitoring well shall be filled with a material comparable to the surrounding material. For example, a native soil/grass plug may be used in the upper three inches of a boring advanced in a grassy area. If for any reason the property owner requests a variance (i.e., do not grout the hole) the project manager will be contacted within 2 business days of the request and the request will be documented in the report of findings.
- 4. Construct permanent monitoring wells of two-inch diameter PVC casing with a ten-foot PVC screen in the area designated by the UST Project manager. The well(s) must be installed under the direct supervision of a South Carolina certified permanent well driller and constructed in compliance with the South Carolina Well Standards and Regulations, R.61-71.H. The wells will require proper filter pack, grout, well identification plate, locking well cap, well pad constructed at or above ground level, and well cover held in place with bolts or screws. Any monitoring well(s) completed in traffic areas should be flush-mounted. All other wells should be completed with a one-foot minimum stick-up casing. The well must be properly developed. The development method shall be capable of removing enough formation cuttings, drilling fluids and additives to provide relatively sediment-free water samples that are typical of the aquifer. All development water must be containerized and disposed of as appropriate.
- Describe the lithology of each soil sample collected during well installation and screen for organic vapor concentrations using properly calibrated instruments or test kits (e.g., immunoassay). Soil lithology and field-screening information should be documented on the well logs. For waste oil UST assessments, note any staining observed. When it is requested to analyze the soil samples please do so in accordance with the *Analytical Methodology for Groundwater and Soil Assessment Guidelines*. When grain size/hydrometer analysis is requested determine the sand/silt and silt/clay fractions at 0.074 millimeters (#200 screen) and 0.004 millimeters, respectively. The report shall give the percentage of sand, silt, and clay.
- 6. Collect groundwater samples from monitoring and/or water-supply wells when requested. Analyses should be conducted in accordance with the Analytical Methodology for Groundwater and Soil Assessment Guidelines.
- 7. If it is requested to conduct an aquifer slug test, record the change in the groundwater table vs. time data for each well. Evaluate the results of the slug test in accordance with commonly accepted methods (e.g., Bower and Rice, Hvorslev) and calculate seepage velocity. Enter data on the slug test form found at http://www.scdhec.gov/environment/lwm/forms/slugtest.pdf.
- 8. Store all soil, development and purge water generated during implementation in 55-gallon drums or equivalent sealed container.

 Upon receipt of laboratory analytical results or 90 days whichever is sooner, properly dispose of the soil and wastewater in the

BID: IFB-34007-6/3/08-EMW

appropriate manner. If the derived soil and wastewater is generated from a waste oil investigation, prior approval must be obtained from the Bureau of Land and Waste Management before offsite removal commences. Additionally, RCRA metals analyses to characterize the waste may be allowed if the permitted disposal facility requires such.

- 9. The contractor must mobilize/demobilize to and from the facility to conduct site rehabilitation activities in the following manner:
 One unit may be allowed for direct push equipment mobilization and one unit may be allowed for drill rig mobilization. If
 mobilization of a different drill rig for installation of type III or rock wells is necessary, the contractor must submit a written
 request for an additional equipment mobilization. Additional units may not be billed for support trucks. If extenuating
 circumstances result in the need for an additional mobilization, DHEC will require written justification prior to issuing financial
 approval. Costs associated with additional drill rig mobilizations due to ineffective field screening methods will not be allowed.
- 10. Perform survey to tie in the location and elevation of the newly installed monitoring well(s) to a minimum of two pre-existing monitoring wells. The survey should be scaled to reflect the existing site map. The accuracy of the subsequent survey will be of major importance and, therefore, the separate cost for subsequent survey can be allowed. Determine monitoring well elevations from the top of casings. Please note that the department reserves the right to deny all costs if the accuracy of the plotted wells is compromised.
- 11. Comprehensive Survey (if requested) should be conducted after completion of all field works (soil boring and monitoring well installation), a survey of the site shall be performed by a South Carolina Registered Surveyor. The survey will cover an area measuring 500 ft by 500 ft and shall include, at a minimum, all of the following:
 - 1. the location of all manmade structures
 - 2. all above ground and underground utilities
 - 3. all potential receptors
 - 4. all existing and/or former USTs and associated piping and dispensers
 - 5. all monitoring wells associated with the release (elevation shall be measured to the top of casing of each monitoring well).
- 12. Repair damaged or missing items to previously installed monitoring wells as previously approved by the UST Program. This activity will include replacement of a cracked or broken well pad, replacement of the well vault, replacement of a missing well tag, replacement of the well cover, bolts, well caps, and locks. A description of all repairs will be included in the report.
 - A. High strength well pad replacement shall consist of a rebar enforced well pads that will be able to support heavy vehicles such as fully loaded semi's or concrete trucks. For an example truck stops, or sites that have heavy machinery driving over the monitoring wells.
 - B. If wells and or well pads installed by the awarded contractor during the current contract period fail prior to the end of the current contract period under normal usage conditions, than the awarded contractor is responsible for the replacement at no cost to DHEC.
- 13. Abandon monitoring wells when necessary in compliance with the South Carolina Well Standards and Regulations, R.61-71.H.
- 14. The final report (one [1] hard copy report and one [1] electronic copy) should include but not limited to the following:
 - Well construction (abandonment) log(s) and DHEC form 1903 (Water Well Record)
 - Lithologic log(s)
 - Sampling data (table, map)
 - Groundwater CoC data (table)

- Potentiometric map
- Site base map
- Soil and/or water disposal manifests
- Revised Geological cross sections if additional deep wells are installed

BID: IFB-34007-6/3/08-EMW

Bidding Schedule Calculation

The following scopes of work are provided for the purpose of determining the award only. The actual number and type of assessment components will be determined on a site-specific basis. The attached "Assessment Competitive Pricing Proposal" form shall be completed for the appropriate region. The form must be properly completed for each region where the contractor wishes to perform work. Failure to provide information on the form (i.e., omission of a unit price for a component) may result in rejection of the bid. Unit prices for each component/item are to be entered in the appropriate column on the form. The unit price is then to be multiplied by the quantity (the number indicated for each component/item on the form) in order to determine the line item amount. Line items for components are then to be added to obtain a subtotal amount. The award will be based on the comparison of the subtotal of all work scopes in each respective region. The Department will not be responsible for any math errors by the bidder.

<u>IGWA Assessment:</u> Provide a separate per foot cost for soil borings in excess of the total 50 ft. allowance, monitoring wells in excess of 25ft. allowance, and rock drilling. Provide a separate cost for any additional groundwater sample collection and analyses (e.g. existing monitoring wells or receptor)

<u>Tier I Assessment</u>: Provide a separate per foot cost for soil borings in excess of the total 110 ft. allowance, monitoring wells in excess of the total 75 ft. allowance, and rock drilling. Provide a separate cost for any additional groundwater sample collection and analyses (e.g. IGWA well or receptor).

Competitive Pricing Criteria

For the purpose of this solicitation, the State of South Carolina is divided into two geographical regions based primarily on the depth and difficulty of drilling required. The regions are listed below:

The Southeastern region is comprised of Beaufort, Berkeley, Charleston, Colleton, Dorchester, Georgetown, Hampton, Horry, Jasper, Marion, and Williamsburg counties.

The Northwestern region is comprised of Abbeville, Aiken, Allendale, Anderson, Bamberg, Barnwell, Calhoun, Cherokee, Chester, Chesterfield, Clarendon, Darlington, Dillon, Edgefield, Fairfield, Florence, Greenville, Greenwood, Kershaw, Lancaster, Laurens, Lee, Lexington, Marlboro, McCormick, Newberry, Oconee, Orangeburg, Pickens, Richland, Saluda, Spartanburg, Sumter, Union, and York counties.

BID: IFB-34007-6/3/08-EMW

BIDDING SCHEDULE:

Tier I Southeast Region Option 1 (A)

	Opt	ion l (A)		
ITEM / UNIT	DHEC USE	QUANTITY	UNIT PRICE	LINE ITEM AMOUNT
TIER I ASSESSMENT		30	\$	\$
1. Additional Copies of Report*		30	\$	\$
2. Mobilization/Demobilization**A. EquipmentB. Personnel	4A 4B	3 1	\$ \$	\$ \$
3. Soil Borings* (Hand augered)4. Soil Borings* (Drilled)	5 6	10 feet 10 feet	\$ \$	\$ \$
5. Well Installation (per foot)* A. Water Table (Hand augered) B. Water Table (Drilled)	9A 9B	20 feet 25 feet	\$ \$	\$ \$
 Groundwater Sample Collection* A. Groundwater B. Groundwater No-Purge C. Water Supply well D. Surface water E. Gauge well only 	10A 10D 10C	10 each 10 each 10 each 10 each 10 each	\$	\$ \$ \$ \$ \$
7. Groundwater Analyses* A. BTEX + Naphtha. + MTBE B. PAHs C. EDB D. Lead E. Filtered Lead F. 8 RCRA Metals G. TPH (9071) H. Ferrous Iron I. Nitrate J. Sulfate K. Methane L. Ethanol M. 8 Oxygenates N. 1,2 DCA	11A 11C 11E 11D 11F 11G 11L 11J 11K 11M VB24	10 each	\$	\$
8. Soil Analyses* A. BTEX + Naphtha. B. PAHs C. 8 RCRA Metals D. TPH (9071) E. TPH (Diesel Range Organics) F. TPH (Gasoline Range Organics) G. Grain Size/Hydrometer H. Total Organic Carbon	110 11P 11Q 11R 11S 11T 11U 11V	4 each 4 each 4 each 4 each 1 each 1 each 1 each	\$ \$ \$ \$ \$	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$
			Total	\$

*Additional costs to be applied in the event that site requirements exceed the base quantities.

^{**} Additional costs to be applied in the event that an additional mobilization/demobilization is required. Pre-approval and justification must be made before this cost will be allowed.

BID: IFB-34007-6/3/08-EMW

Tier I Northwestern Region Option 2 (B)

	Option 2	(B)		
ITEM / UNIT	DHEC USE	QUANTITY	UNIT PRICE	LINE ITEM AMOUNT
TIER I ASSESSMENT		45	\$	\$
1. Additional Copies of Report*		45	\$	\$
2. Mobilization/Demobilization**				
A. Equipment	4A	1	\$	\$
B. Personnel	4B	1	\$	\$
3. Soil Borings* (Hand augered)	5	10 feet	\$	\$
4. Soil Borings* (Drilled)	6	10 feet	\$	\$
5. Well Installation (per foot)*				_
A. Water Table (Hand augered)	9A	20 feet	\$	\$
B. Water Table (Drilled)	9B	200 feet	\$	\$
C. Rock***	9D	125 feet	\$	\$
6. Groundwater Sample Collection*				
A. Groundwater	10A	10 each	\$	\$
B. Groundwater No-Purge	10D	10 each	\$	\$
C. Water Supply well	10C	10 each 10 each	\$	\$
D. Surface water	10E	10 each	\$	\$
E. Gauge well only	102	10 0001	\$	\$
7. Groundwater Analyses*				.
A. BTEX + Naphtha. + MTBE	11A	12 each	\$ \$	\$ \$
B. PAHs	11C 11E	12 each 12 each	\$	\$
C. EDB	11D	12 each	\$	\$
D. Lead E. Filtered Lead	11F	12 each	\$	\$
F. 8 RCRA Metals	11G	12 each	\$	\$
G. TPH (9071)	11L	12 each	\$	\$
H. Ferrous Iron	11 J	12 each	\$	\$
I. Nitrate	11 K	12 each	\$ \$	\$
J. Sulfate	11M	12 each	\$	\$
K. Methane	VB24	12 each	\$	\$
L. Ethanol		12 each 12 each	\$	\$
M. 8 Oxygenates N. 1,2 DCA		12 each	\$	\$
8. Soil Analyses*		, -		
A. BTEX + Naphtha.	110	4 each	\$	\$
B. PAHs	117	4 each	\$	\$
C. 8 RCRA Metals	11Q 11R	4 each 4 each	\$	\$
D. TPH (9071) E. TPH (Diesel Range Organics)	11\$	1 each	\$	\$ \$
F. TPH (Gasoline Range Organics)	11T	1 each	\$	\$
G. Grain Size/Hydrometer	11U	1 each	\$	\$
H. Total Organic Carbon	11V	1 each	\$	\$
			Total	\$
		·····		

^{*} Additional costs to be applied in the event that site requirements exceed the base quantities.

** Additional costs to be applied in the event that an additional mobilization/demobilization is required. Pre-approval and justification must be made before this cost will be allowed.

*** Add-on rate for footage that exceeds 75ft in the event that wells must be installed into competent rock.

BID: IFB-34007-6/3/08-EMW

Tier I All Regions Option 3 (C)

Option 3 (C)							
ITEM / UNIT	DHEC USE	QUANTITY	UNIT PRICE	LINE ITEM AMOUNT			
TIER I ASSESSMENT		110	\$	\$			
1. Additional Copies of Report*		110	\$	\$			
Mobilization/Demobilization** A. Equipment B. Personnel	4A 4B	1 1	\$ \$	\$ \$			
3. Soil Borings* (Hand augered)4. Soil Borings* (Drilled)	5 6	30 feet 30 feet	\$ \$	\$ \$			
5. Well Installation (per foot)* A. Water Table (Hand augered) B. Water Table (Drilled) C. Rock***	9A 9B 9D	60 feet 275 feet 250 feet	\$ \$ \$	\$ \$ \$			
 6. Groundwater Sample Collection* A. Groundwater B. Groundwater No-Purge C. Water Supply well D. Surface water E. Gauge well only 	10A 10D 10C 10E	10 each 10 each 10 each 10 each 10 each	\$ \$ \$ \$	\$			
7. Groundwater Analyses* A. BTEX + Naphtha. + MTBE B. PAHs C. EDB D. Lead E. Filtered Lead F. 8 RCRA Metals G. TPH (9071) H. Ferrous Iron I. Nitrate J. Sulfate K. Methane L. Ethanol M. 8 Oxygenates N. 1,2 DCA	11A 11C 11E 11D 11F 11G 11L 11J 11K 11M VB24	32 each	\$	\$			
8. Soil Analyses* A. BTEX + Naphtha. B. PAHs C. 8 RCRA Metals D. TPH (9071) E. TPH (Diesel Range Organics) F. TPH (Gasoline Range Organics) G. Grain Size/Hydrometer H. Total Organic Carbon	110 11P 11Q 11R 11S 11T 11U	12 each 12 each 12 each 12 each 3 each 3 each 3 each 3 each	\$	\$ \$ \$ \$ \$			
			Total	\$			

^{*} Additional costs to be applied in the event that site requirements exceed the base quantities.

^{**}Additional costs to be applied in the event that an additional mobilization/demobilization is required. Pre-approval and justification must be made before this cost will be allowed.

***Add-on rate for footage that exceeds 75ft in the event that wells must be installed into competent rock.

ITEM / UNIT	DHEC USE	QUANTITY	UNIT PRICE	LINE ITEM AMOUNT
Option 1	: Southeast	tern Region (D)		
INITIAL GROUNDWATER ASESSMENT		30	\$	\$
1. Additional Copies of Report*		30 copies	\$	\$
2. Sample Collection and Groundwater Analyses* A. BTEX + Naphth. + MTBE B. PAHs C. EDB D. Lead E. Filtered Lead F. 8 RCRA Metals G. Ethanol H. 8 Oxygenates I. 1,2 DCA	11A 11D 11F 11E 11P 11G	32 each 32 each 32 each 32 each 32 each 32 each 32 each 32 each 32 each	\$\$ \$\$ \$\$ \$\$ \$\$	\$ \$ \$ \$ \$ \$
3. Well Installation (greater than 25 feet)*		25 feet	\$	\$
			Subtotal	\$
	: Northwes	tern Region (E)		_
INITIAL GROUNDWATER ASESSMENT		30	\$	\$
1. Additional Copies of Report*		30 copies	\$	\$
2. Sample Collection and Groundwater Analyses* A. BTEX + Naphth. + MTBE B. PAHs C. EDB D. Lead E. Filtered Lead F. 8 RCRA Metals G. Ethanol H. 8 Oxygenates I. 1,2 DCA 3. Well Installation (greater than 25 feet)* 4. Rock Well Installation (greater than 25	11A 11D 11F 11E 11P 11G	32 each 37 each 37 each 38 each 39 each	\$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$	\$
feet)*			Subtotal	\$
	, , ,	1	Subtotat	Φ

		•		
·				
Opt	ion 3: All F	Regions (F)		
INITIAL GROUNDWATER		75	\$	\$
ASESSMENT				
1. Additional Copies of Report*		75 copies	\$	\$
2. Sample Collection and Groundwater				
Analyses*	11A	32 each	\$	S
A. BTEX + Naphth. + MTBE	11D	32 each	\$ \$	\$
B. PAHs	11 F	32 each	\$	\$
C. EDB	11 E	32 each	\$	\$
D. Lead	11P	32 each	\$	\$
E. Filtered Lead	11 G	32 each	\$	\$
F. 8 RCRA Metals		32 each	\$	\$
G. Ethanol	11 P	32 each	\$	\$
H. 8 Oxygenates	11 P	32 each	\$	\$
I. 1,2 DCA			Ψ	
3. Well Installation (greater than 25 feet)*		275 feet	\$	\$
4. Rock Well Installation (greater than 25 feet)*		125 feet	\$	\$
	1 / /		Subtotal	\$
#\$ 4 年 2 年 3 年 4 年 5 年 5 年 5 年 5 年 5 年 5 年 5 年 5 年 5	o control of the cont		Total	\$

^{*} Additional costs to be applied in the event that site requirements exceed the base quantities.

BID: IFB-34007-6/3/08-EMW

Monitoring Well Installation Southeast Region Option 1 (G)

ITEM/UNIT	QUANTITY	UNIT	ÚNIT PRICE	LINE ITEM AMOUNT
Site Reconnaisance	5	Each	\$	\$
2. Comprehensive Survey	5	Each	\$	\$
3. Tax Map	1	Each	\$	\$
	_		<u> </u>	
4. Mobilization/Demobilization**				
A. Equipment	1	1	\$	\$
B. Personnel	1	1	\$	\$
5. Soil Borings* (requiring equipment, push	300	Feet	\$	\$
technology, etc.) or field screening (i.e. water				
sample, soil sample, or soil gas sample)				
6. Abandonment (i.e. destroyed wells)*	100	Feet	\$	\$
7. Well Installation (per foot) (includes cost associated	-			· ·
with soil screening)				
A. Water Table* (Hand auger or Drilled)	300	Feet	\$	<u>\$</u>
B. Telescoping*	600	Feet	\$	\$
C. 4 inch Monitoring well installation	300	Feet	\$	\$
D. 6 inch Monitoring well installation	300	Feet	\$	\$
8. Groundwater Sample Collection*				
A. Groundwater	60	Each	\$	\$
B. Groundwater No-Purge	60	Each	\$	\$
C. Water Supply well	60	Each	\$	\$
D. Surface water	60	Each	\$	\$
E. Gauge well only	60	Each	\$	\$
9. Groundwater Analyses*				
A. BTEX + Naphtha. + MtBE	60	Each	\$	\$
B. PAHs	60	Each	\$	\$
C. EDB	60	Each	\$	\$
D. Lead	60	Each	\$	\$
E. Filtered Lead	60	Each	\$	\$
F. 8 RCRA Metals	60	Each	\$	\$
G. TPH (9071)	60	Each	\$	\$
H. Ferrous Iron	60	Each	\$	\$
I. Nitrate	60	Each	\$	\$
J. Sulfate	60	Each	\$	\$
K. Methane	60	Each	\$	\$
L. 8 Oxygenates	60	Each	\$	\$
M. 1,2 DCA	60	Each	\$	\$
N. Ethanol	60	Each	\$	\$
			\$	\$
10. Soil Analyses*	10		.	
A. BTEX + Naphtha.	10	Each	\$	\$
B. PAHs	10	Each	\$	\$
C. 8 RCRA Metals	10	Each	\$	\$
D. Lead	10	Each	\$	\$
E. TPH (Diesel Range Organics)	10	Each	\$	\$
F. TPH (Gasoline Range Organics)	10	Each	\$	\$
G. Grain Size/Hydrometer	10	Each	\$	<u> </u>

				·
H. Total Organic Carbon	10	Each	\$	\$
11. Slug Test	1	Each	\$	\$
12. Subsequent Survey	5	Each	\$	\$
13. Disposal*				
A. Soil	20	Drum	\$	\$
B. Water	20	Drum	\$	\$
C. Free Product	5	Drum	\$	\$
14. Well Repair*				
A. High-Strength Well Pad Replacement	10	Each	\$	s
B. Repair 2x2 MW Pad	10	Each	\$	\$
C. Repair 4x4 MW Pad	10	Each	\$	\$
D. Repair well vault	10	Each	\$	\$
 E. Replace well cover bolts 	10	Each	\$	\$
F. Replace locking well cap and lock	10	Each	\$	\$
15. Additional copies of report	5	Each	\$	\$
			Total	\$

^{*} Additional costs to be applied in the event that site requirements exceed the base quantities.

** Additional costs to be applied in the event that an additional mobilization/demobilization is required. Pre-approval and justification must be made before this cost will be allowed.

BID: IFB-34007-6/3/08-EMW

Monitoring Well Installation Northwest Region Option2 (H)

ITEM/UNIT	QUANTITY	UNIT	UNIT PRICE	LINE ITEM AMOUNT
1. Site Reconnaisance	5	Each	\$	\$
2. Comprehensive Survey	5	Each	\$	\$
3. Tax Map	1	Each	\$	\$
4. Mobilization/Demobilization**				
A. Equipment	1	1	\$	\$
B. Personnel		1	\$ \$	· \$
	1	_		
5. Soil Borings* (requiring equipment, push technology, etc.) or field screening (i.e. water	300	Feet	\$	\$
sample, soil sample, or soil gas sample)				
6. Abandonment (i.e. destroyed wells)*	100	Feet		\$
	100	reet	<u> </u>	<u> </u>
7. Well Installation (per foot) (includes cost associated				
with soil screening)	300	E	•	•
A. Water Table* (Hand auger or Drilled)	300	Feet	\$) •
B. Telescoping*	600	Feet	\$	3
C. Rock	600	Feet	\$	\$
D. 4 inch Monitoring well installation	300	Feet	3	\$
E. 6 inch Monitoring well installation	300	Feet	\$	\$
8. Groundwater Sample Collection*				
A. Groundwater	60	Each	\$	s
B. Groundwater No-Purge	60	Each	\$	\$
C. Water Supply well	1	Each	\$	\$
D. Surface water	60	Each	\$	\$
E. Gauge well only	60 60	Each	\$	\$
9. Groundwater Analyses*		<u>-</u>		
A. BTEX + Naphtha. + MtBE	60	Each	\$	\$
B. PAHs	- 60	Each	\$	\$
C. EDB	60	Each	€	\$
D. Lead	60	Each	\$	¢
E. Filtered Lead	60	Each	\$	\$
F. 8 RCRA Metals	60	Each	\$ \$	\$
G. TPH (9071)	60	Each	\$	\$
H. Ferrous Iron	60	Each	\$	\$
I. Nitrate	60	Each	\$	\$
J. Sulfate		Each	T	
J. Suirate K. Methane	60		\$	\$
	60	Each	\$	·
L. 8 Oxygenates	60	Each Each	\$	\$
M. 1,2 DCA	60	Lacn	\$ \$	\$ \$
10. Soil Analyses*				
A. BTEX + Naphtha.	10	Each	\$	\$
B. PAHs	10	Each	\$	\$
C. 8 RCRA Metals	10	Each	\$	\$
D. Lead	10	Each	\$	\$
E. TPH (Diesel Range Organics)	10	Each	\$	\$
F. TPH (Gasoline Range Organics)	10	Each	\$	\$
G. Grain Size/Hydrometer	10	Each	\$	\$
H. Total Organic Carbon	10			

11. Slug Test	<u> </u>	Each	\$ \$
12. Subsequent Survey	. 5	Each	\$ \$

13. Disposal*	·			
A. Soil	20	Drum	\$	\$
B. Water	20	Drum	\$	\$
C. Free Product	5	Drum	. \$	\$
14. Well Repair*				
A. High-Strength Well Pad Replacement	10	Each	\$	\$
B. Repair 2x2 MW Pad	10	Each	\$	\$
C. Repair 4x4 MW Pad	10	Each	s	\$
D. Repair well vault	10	Each	s	\$ <u> </u>
E. Replace well cover bolts	10	Each	s	\$
F. Replace locking well cap and lock	10	Each	\$	\$
15. Additional copies of report	5	Each	\$	\$
			Total	\$

^{*} Additional costs to be applied in the event that site requirements exceed the base quantities.

** Additional costs to be applied in the event that an additional mobilization/demobilization is required. Pre-approval and justification must be made before this cost will be allowed.

BID: IFB-34007-6/3/08-EMW

Monitoring Well Installation All Regions Option 3 (I)

ITEM/UNIT	QUANTITY	UNIT	UNIT PRICE	LINE ITEM AMOUNT
1. Site Reconnaisance	5	Each	\$	\$
2. Comprehensive Survey	5	Each	\$	\$
3. Tax Map	1	Each	\$	\$
4. Mobilization/Demobilization**				
A. Equipment	1	1	\$	\$
B. Personnel	1	1	\$	\$
5. Soil Borings* (requiring equipment, push technology, etc.) or field screening (i.e. water sample, soil sample, or soil gas sample)	300	Feet	\$	\$
6. Abandonment (i.e. destroyed wells)*	100	Feet	\$	\$
7. Well Installation (per foot) (includes cost associated with soil screening)				
A. Water Table* (Hand auger or Drilled)	300	Feet	\$	\$
B. Telescoping*	600	Feet	\$	\$
C. Rock	600	Feet	\$	\$
D. 4 inch Monitoring well installation	300	Feet	\$	\$
E. 6 inch Monitoring well installation	300	Feet	\$	\$
8. Groundwater Sample Collection*				
A. Groundwater	60	Each	\$	\$
B. Groundwater No-Purge	60	Each	\$	\$
C. Water Supply well	60	Each	\$	\$
D. Surface water	60	Each	\$	\$
E. Gauge well only	60	Each	\$	\$
9. Groundwater Analyses*	60	Each	or.	¢
A. BTEX + Naphtha. + MtBE B. PAHs	60 60	Each	\$	\$
C. EDB	60	Each	\$	\$
D. Lead	60	Each	\$	\$
E. Filtered Lead	60	Each	\$	\$
F. 8 RCRA Metals	60	Each	\$	\$
G. TPH (9071)	60	Each	\$	\$
H. Ferrous Iron	60	Each	\$	\$
I. Nitrate	60	Each	\$	\$
J. Sulfate	60	Each	\$	\$
K. Methane	60	Each	\$	\$
L. 8 Oxygenates	60	Each	\$	\$
M. 1,2 DCA	60	Each	\$	\$
10. Soil Analyses*			\$	\$
A, BTEX + Naphtha.	10	Each	. \$	\$
B. PAHs	10	Each	\$	\$
C. 8 RCRA Metals	10	Each	\$	\$
D. Lead	10	Each	\$	\$
E. TPH (Diesel Range Organics)	10	Each	\$	\$
F. TPH (Gasoline Range Organics)	10	Each	\$	\$ <u></u>
G. Grain Size/Hydrometer	10	Each	\$	\$
H. Total Organic Carbon	10	Each	\$	\$

11. Slug Test	1	Each	\$ \$
12. Subsequent Survey	5	Each	\$ \$

13. Disposal* A. Soil	20 20	Drum Drum	\$	\$
B. Water	20	Drum	a	.
C. Free Product	5	Drum	\$	\$
14. Well Repair*		 		
A. High-Strength Well Pad Replacement	10	Each	\$	\$
B. Repair 2x2 MW Pad	10	Each	\$	\$
C. Repair 4x4 MW Pad	10	Each	\$	\$
D. Repair well vault	10	Each	\$	\$
E. Replace well cover bolts	10	Each	\$	\$
F. Replace locking well cap and lock	10	Each	\$	\$
15. Additional copies of report	5	Each	\$	\$
	•		Total	\$

^{*} Additional costs to be applied in the event that site requirements exceed the base quantities.

** Additional costs to be applied in the event that an additional mobilization/demobilization is required. Pre-approval and justification must be made before this cost will be allowed.

BID: IFB-34007-6/3/08-EMW

BIDDING SCHEDULE: All Scopes (Tier I, IGWA, Monitoring Well Installation)			
Option 1:			
Southeastern Region:			
IGWA	Total \$	(from A)	
Tier I Assessment	Total \$	(from D)	
Well Installation	Total \$	(from G)	
	Subtotal \$	(from A,D,&G)=J	
Option 2:			
Northwestern Region:			
IGWA	Total \$	(from B)	
Tier I Assessment	Total \$	(from E)	
Well Installation	Total \$	(from H)	
	Subtotal \$	(from B,E,& H)=K	
Option 3:			
All Regions:			
IGWA	Total \$	(from C)	
Tier I Assessment	Total \$	(from F)	

Total \$_____ (from I)

TOTAL \$_____ (from C,F,& I)=L

Well Installation

BID: IFB-34007-6/3/08-EMW

Other Criteria:

Please respond to the following questions, which have been designed to verify the required qualifications and to assess the capacity of the lowest bidders. If the lowest bidder does not have the capacity to perform the scheduled number of assessments in a given month, the next lowest bidder for that region will be given the opportunity to participate.

1.	a.	Is the laboratory to be used certified in the State of South Carolina for the required analyses?						
		Yes	No					
	b.			atory and the SC DHEC certification number.				
	c.		will it take for the laborator	· · · · · · · · · · · · · · · · · · ·				
2.	a.	Is the well driller (s) to be used to install the monitoring wells certified in the State of South Carolina						
		Yes	No	· · · · · · · · · · · · · · · · · · ·				
	b.	If yes, provide the name(s) of the well driller (s) and the certification number (s).						
		Name		Certificate Number				
		Name		Certificate Number				
	c.		will it take for certification					
3.	a.	Is the Surveyor(s) to be used to survey the sites certified in the State of South Carolina?						
		Yes	No					
	ъ.	If yes, provide the name(s) of the Surveyor(s) and the certification number (s).						
		Name		Certificate Number				
		Name		Certificate Number				
	c.	If no, how long	will it take for certification	to be obtained?				
	a.	Is the bidder certified as a site rehabilitation contractor in the State of South Carolina?						
	ъ.	If yes, provide the name(s) and class.						
		Name		Class Number				
		Name		Class Number				

	c.	If no, when is certification expected to be obtained?
5.	a.	When can you begin work?
6.	a.	Have there been any complaints registered with any regulatory agencies about your company's performance in any state where you have performed services? Yes No No
	b.	If yes, please indicate which state(s), the reason (s), and the date (s) of complaint (continue on back of sheet if necessary).
7.		Please provide three references that we may contact regarding your past performance. At least one reference should be from a State Regulatory Agency.
	a.	Agency or Company Name
		Name of Contact Person
		Telephone Number
	b.	Agency or Company Name
		Name of Contact Person
		Telephone Number
	c.	Agency or Company Name
		Name of Contact Person
		Telephone Number
In con	npliance	TANCE AND DELIVERY STATEMENT: with the invitation and subject to all conditions thereof, the above signed offers and agrees, if this bid is accepted within

BID: IFB-34007-6/3/08-EMW

PLEASE READ THE FOLLOWING CAREFULLY PRIOR TO COMPLETING BID

INSTRUCTIONS TO BIDDERS

DISCUSSIONS AND NEGOTIATIONS: By submission of a bid, bidder agrees that during the period following issuance of this solicitation and prior to notification of intent or award of a contract, the bidder shall not discuss this procurement with any party except members of the DHEC Procurement Division or other parties designated in this solicitation. Bidder shall not discuss or attempt to negotiate with the using area or program any aspects of the procurement without prior approval of the DHEC Procurement Division Buyer responsible for the procurement. Infractions may result in rejection of the violator's bid.

- 1. Unless otherwise required herein, only one signed copy of the invitation to bid is required.
- Bids "faxed" directly to the DHEC Procurement Office will not be accepted or considered for award.
- Bids, amendments thereto or withdrawal request must be received by the time advertised for bid opening. It is the bidder's sole
 responsibility to insure that these documents are received by the person (or office) at the time indicated in this solicitation document. DHEC
 Underground Storage Tank Environmental Remediation Procedures shall govern any withdrawal request received after the time of the bid
 opening.
- 4. When specifications or descriptive papers are submitted with the bid submission, enter bidder's name thereon.
- 5. Submit your signed bid on this form. Show the bid number on the envelope as instructed. DHEC assumes no responsibility for unmarked or improperly marked envelopes. All envelopes received showing a bid number are placed directly under locked security until the date and time of opening. Do not include more than one bid invitation per envelope. If directing any other correspondence, address the envelope to the Procurement Officer but do not include the bid number on the envelope since it does not include your bid.
- 6. Bidders must clearly mark as "CONFIDENTIAL" each part of their bid which they consider to be proprietary information that could be exempt from disclosure under Section 30-4-40, Code of Laws of South Carolina 1976 (1986 Cum. Supp.; Freedom of Information Act). If any part is designated as confidential, there must be attached to that part an explanation of how this information fits within one or more categories listed in Section 30-4-40. DHEC reserves the right to determine whether this information should be exempt from disclosure and no legal action may be brought against the State, DHEC or its agents for its determination in this regard.
- 7. By submission of a bid, **you are guaranteeing** that all goods and services meet the requirements of this solicitation during the contract period.
- 8. **Tie bids** will be resolved as outlined in DHEC Underground Storage Tank Environmental Remediation Procedures.
- 9. **Do not include any taxes** that DHEC may be required to pay in the bid price. Upon submission of a bid by a state agency, the Procurement Officer will compute a 5% sales and use tax to the non-state agency bids when applicable (service and labor excluded) in determining the low bidder. This procedure conforms to the SC Tax Commission Sales and Use Tax Regulation 117-174-. 95.
- 10. **Correction of errors on this bid form:** All prices and notations should be printed in ink or typewritten. Errors should be crossed out, corrections entered and initialed by the person signing the bid. Erasures or use of typewriter correction fluid may be cause for rejection. No bid shall be altered or amended after the time specified for the bid opening.
- 11. **Ambiguous bids** that are uncertain as to terms, delivery, quantity, or compliance with this solicitation may be rejected or otherwise disregarded.
- 12. Any bidder desiring to exercise a grievance may do so under section IV of DHEC Underground Storage Tank Environmental Remediation Procedures. All correspondence should be directed to the Director of Procurement Services, Bureau of Business Management, 2600 Bull Street, Columbia, SC 29201.
- 13. Failure to respond to three consecutive bid notices may result in removal of bidder's name from the mailing list.

GENERAL PROVISIONS

- 14. DHEC reserves the right to reject any and all bids, and to cancel this solicitation.
- 15. Unit prices will govern over extended prices unless otherwise stated in this solicitation.
- 16. **Prohibition of Gratuities:** Amended section 8-13-420 of the 1976 Code of Laws of South Carolina States: "Whoever gives or offers to any public official or public employee any compensation, including a promise of future employment, to influence his action, vote, opinion or judgment as a public official or public employee or such public official solicits or accepts such compensation to influence his action, vote, opinion or judgment shall be subject to the punishment as provided by Section 16-9-210 and Section 16-9-220. The provisions of this section shall not apply to political contributions unless such contributions are conditioned upon the performance of specific actions of the person accepting such contribution nor shall they prohibit a parent, grand-parent or relative from making a gift to a child, grandchild, or other close relative for love and affection except as hereafter provided".

BID: IFB-34007-6/3/08-EMW

- 17. **Bidder's Qualification:** Bidders must, upon request of DHEC, furnish satisfactory evidence of their ability to furnish products or services in accordance with the terms and conditions of these specifications. DHEC reserves the right to make the final determination as to the bidder's ability to provide the products or services requested herein.
- 18. **Bidder's Responsibility:** Each bidder shall fully acquaint himself with conditions relating to the scope and restrictions attending the execution of the work under the conditions of this solicitation. It is expected that this will sometimes require on-site observation. The failure or omission of a bidder to acquaint himself with existing conditions shall in no way relieve him of any obligation with respect to this bid or to the subsequent contract.
- 19. **Amendments:** All amendments to and interpretations of this solicitation shall be in writing from the DHEC Procurement Office. Neither DHEC nor the Procurement Officer shall be legally bound by any amendment or interpretation that is not in writing.
- 20. **Award Criteria:** Award shall be as indicated herein to the lowest responsible and responsive bidder whose bid meets the requirements and criteria set forth in this solicitation. Award may take longer than fourteen days. A copy of the award notice should be posted on Procurement Services' website at: dhec.sc.gov/procurement.
- 21. **Rejection:** DHEC reserves the right to reject any bid that contains prices for individual items or services that are unreasonable when compared to the same or other bids if the rejection is in the best interest of the State.
- 22. **Competition:** This solicitation is intended to promote competition. If the language, specifications, terms and conditions, or any combination thereof restricts or limits the requirements in this solicitation to a single source, it shall be the responsibility of the interested bidders to notify the DHEC Procurement Office in writing so as to be received five days prior to the opening date. Notification may be "faxed" to the DHEC Procurement Office, (803) 898-3505. The solicitation may or may not be changed but a review of such notification will be made prior to award.
- 23. **Order of Precedence:** In the event of inconsistency between provisions of this solicitation, the inconsistency shall be resolved by giving precedence in the following order; (A) the bidding schedule, (B) the specifications, (C) general conditions, (D) special provisions or special conditions of the contract whether incorporated by reference or otherwise, and (E) instruction to bidders.

GENERAL CONDITIONS

- 24. **Contract Administration**: Questions or problems arising after award of this solicitation/contract shall be directed to the DHEC Procurement Office, 2600 Bull Street, Columbia, SC, 29201. Reference the solicitation and contract number.
- 25. **Default:** In case of default by the contractor, DHEC reserves the right to purchase any or all items in default in the open market, charging the contractor with any additional costs. The defaulting contractor shall not be considered a responsible bidder until the assessed charge has been satisfied.
- 26. **Save Harmless:** (This General Condition does not apply to solicitations for service requirements). The successful bidder shall indemnify and save harmless the State of South Carolina and DHEC and all its officers, agents and employees from all suits or claims of any character brought by reason of infringing on any patent, trade mark or copyright. The bidder shall have no liability to DHEC if such patent, trademark or copyright infringement or claim is based upon the bidder's use of material furnished to the bidder by the State.
- 27. **Publicity Releases:** By submission of a bid, the contractor agrees not to refer to award of this contract in commercial advertising in such a manner as to state or imply that the products or services provided are endorsed or preferred by DHEC or user.
- 28. **Tax Credit Availability**: Bidders interested in income tax credit availability by subcontracting with Certified Minority Firms should contact the Office of Minority Business Assistance, 1205 Pendleton Street, Columbia, SC, 29201. (803-734-0562)
- 29. **Affirmative Action**: The successful bidder will take affirmative action in complying with all Federal and State requirements concerning fair employment and employment of the handicapped, and concerning the treatment of all employees, without regard or discrimination by reason of race, color, religion, sex, national origin or physical handicap.
- 30. **Assignment:** Unless otherwise indicated in this solicitation, no contract or its provisions may be assigned, sublet, subcontracted, or transferred without the prior written consent of the DHEC Procurement Office.
- 31. **Termination:** Any contract resulting from this solicitation may be terminated by DHEC by providing a thirty-day advance notice in writing to the successful contractor.
- 32. **Non-Appropriations:** Any contract entered into by DHEC resulting from this solicitation shall be subject to cancellation without damages or further obligation when funds are not appropriated or otherwise made available to support continuation of performance in a subsequent fiscal period or appropriated year.
- 33. **Convenience:** In the event that this contract is terminated or canceled upon request and for the convenience of DHEC without the required thirty days advance written notification, then DHEC shall negotiate reasonable applicable termination costs.
- 34. Cause: Any contract resulting from this solicitation may be terminated without advance notice by DHEC for cause, default or negligence on the part of the successful contractor.

- 35. S.C. Law Clause: Upon award of a contract under this bid, the person/partnership, association or corporation to whom the award is made must comply with the laws of South Carolina which require such person or entity to be authorized and/or licensed to do business with this State. Notwithstanding the fact that applicable statutes may exempt or exclude the successful bidder from requirements that it be authorized and/or licensed to do business in this State. By submission of a bid, the bidder agrees to subject himself to the jurisdiction and process of the courts of the State of South Carolina as to all matters and disputes arising or to arise under the contract and the performance thereof, including any questions as to the liability for taxes, licenses or fees levied by the State of South Carolina.
- Quality of Product: (This general condition does not apply to solicitations for printing or service requirements.) Unless otherwise indicated in this solicitation, it is understood and agreed that any item offered or shipped as a result of this solicitation shall be new and in first class condition, that all containers shall be new and suitable for storage or shipment, and that prices include standard commercial packaging. If items that are other than new (i.e., remanufactured or refurbished) are desired to be bid, the bidder must obtain written permission to bid such items at least five days in advance of the bid opening date. Written permission must be obtained from the DHEC Procurement Office.
- 37. **Compliance with Federal Requirements:** S.C. State or Federal requirements that are more restrictive shall be followed in bidding, awarding and performance of this contract.
- 38. **Drug-Free Workplace**: Required by Section 44-107-10 (Drug Free Work-Place Act) of the SC Code of Laws, 1976, as amended. By submission of a bid, the bidder certifies that he will comply with all aspects of the Drug-Free Workplace Act and will not engage in the unlawful manufacture, distribution, dispensation, possession or use of a controlled substance in the performance of this contract. This certification also applies to any individual or firm employed by the contractor.
- 39. **Confidentiality Policy:** The successful contractor agrees to abide by DHEC's policy of confidentiality which states in part that all information as to personal facts and circumstances given or made available to employees and/or contractors of DHEC in administration of programs shall be held confidential and shall not be divulged without the express written consent of the individual(s) to which it pertains.
- 40. **Item Substitution:** No substitution of items will be allowed on any purchase made from the awarded contract without written permission from the DHEC Procurement Office.
- 41. Outside Contractor Program: If applicable to scope of contract, contracted employees working on DHEC properties are entitled to information about hazardous chemicals present at DHEC; and DHEC's personnel are entitled to information about hazardous chemicals brought to the facilities by contractors. In order to assure continued compliance with the Hazard Communication Standards while contractors are on DHEC property and to control potential compliance obligations under the Superfund Amendments and Re-authorization Act, it is DHEC's policy to:
 - A. Obtain <u>written assurance</u> that the contractor's employees have been trained to understand the hazards of the chemicals at DHEC and how to use appropriate personal protective equipment. All personal protective equipment and training required for the contractor's employees will be provided by the contractor at the contractor's expense. (This includes SC State General Services employees).
 - B. Require the contractor to notify the DHEC Bureau of Business Management or the appropriate DHEC unit Director when introducing hazardous chemicals into DHEC work areas, which may harmfully expose DHEC employees. If the contractor is introducing such hazardous chemicals into any DHEC facility or onto DHEC property, the contractor shall provide the DHEC Division of Procurement Services or the DHEC unit Director copies of the Material Safety Data Sheets (MSDS) for those chemicals. The DHEC Division of Procurement Services or the DHEC unit Director should provide appropriate information to the DHEC employees before the contractor(s) enter any DHEC facility with chemicals.
 - C. DHEC reserves the right to refuse to allow any contractor to bring any chemical onto DHEC property. The Department also reserves the right to refuse to allow any contractor to bring certain quantities of chemicals on DHEC property.